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SOVIET MODEL 7311 SHAPER AND MODEL 7412 SLOTTER

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The Chkalov Machine Tool Plant has mastered the production of Model 7311 shaper and Model 7412 slotter. Being small and light in weight, these machine tools are suitable for mobile repair and training workshops. They are also used in tool and machine shops.

The design of the machine tools is based on extensive unification. The following units are completely unified: bed, main drive mechanism, feed drive mechanism, and electrical equipment. The number of unified parts has been brought to 40 percent of the total number in the machine tool.

The machine tools have an individual drive from a four-speed electric motor, which provides shifting of speeds while the machine tool is in operation.

The technical specifications of the machine tools are as follows:

	<u>Model 7311</u>	<u>Model 7412</u>
Maximum length of ram stroke (mm)	200	100
Table work feed (mm)	180 x 200	180 x 310
Number of ram double strokes per minute	50, 63, 99, 197	50, 63, 99, 197
Power of electric motor (kw)	0.5-1	0.5-1
Dimensions of machine tool (length x width x height - mm)	1,135 x 670 x 1,350	1,000 x 750 x 1,780
Weight of machine tool (kg)	575	685

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